

## ABSTRACT

A tuner has a dual AGC function, and frequency-converts an input signal into an IF signal. An orthogonal detector calculates a complex signal from the IF signal. A demodulator  
5 demodulates a digital signal from the complex signals. An error corrector corrects the error of the digital signal. A signal level detector calculates a level judgment signal from the IF signal. A demodulation level detector detects a signal level of a demodulation signal on a desired band from an  
10 output signal of the demodulator. When a demodulation level judgment unit generates a judgment signal representing an influence from interference waves in adjacent channel affecting on a signal on the desired band from the demodulation signal, a control signal generator feeds back a  
15 gain control signal to the tuner in accordance with the judgment signal.